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PTO/SB/21 (08-00)

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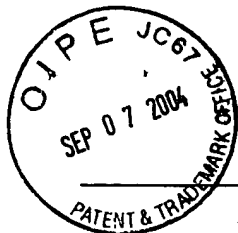
TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/784,606	
	Filing Date	February 23, 2004	
	First Named Inventor	Frank DiMeo, Jr.	
	Group Art Unit	2856	
	Examiner Name	TBA	
Total Number of Pages in This Submission		Attorney Docket Number	ATMI-546-CIP-I

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
		Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Margaret Chappuis, Reg. No. 45,735
Signature	
Date	August 31, 2004

CERTIFICATE OF MAILING	
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Type or printed name	Lee Ann DiLello
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ATMI-546-CIP-I
Customer ID No.: 25559

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Frank DiMeo, Jr.

Group Art Unit: 2856

U.S. Application No.: 10/784,606

Examiner: TBA

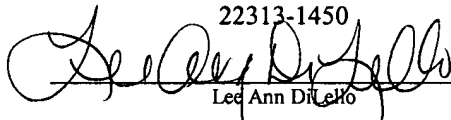
Filed: February 23, 2004

Title: NICKEL-COATED FREE-STANDING SILICON CARBIDE STRUCTURE FOR
SENSING FLUORO OR HALOGEN SPECIES IN SEMICONDUCTOR PROCESSING
SYSTEMS, AND PROCESSES OF MAKING AND USING SAME

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Lee Ann DiLello
9-2-04
Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required in accordance with 37 CFR § 1.56 and § 1.97(b). Please note that Reference AH "Inorganic Solid Fluorides, Chemistry and Physics" is a book and

is not enclosed. Should a copy of this reference be required, Applicants will provide a copy.

- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
 - ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application, which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
 - ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
 - ☐ c. Attached is our check no. ____ in the amount of \$180 in payment of the fee under 37 C.F.R. §1.17(p). Please credit or debit Deposit Account No. 50-0860 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check no. ____ in the amount of \$130.00 in payment of the petition fee under 37 C.F.R. §1.17(i)(1). Please credit or debit Deposit Account No. ____ as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
 - ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
 - ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- ☐ 4. (other):

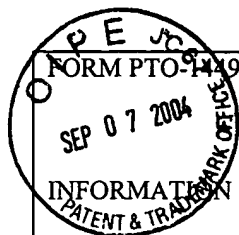
Applicant does not believe that any additional fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Margaret Chappuis", written in a cursive style.

Margaret Chappuis
Registration No. 45,735
Agent for Applicant

Date: *August 31, 2004*
Advanced Technology Materials, Inc.
7 Commerce Drive
Danbury, CT 06810
Agent Ref: ATMI-546-CIP-I



FORM PTO-9449 SEP 07 2004 INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	US Dept. of Commerce Patent and Trademark Office	ATTORNEY DOCKET NO. ATMI-546-CIP-I	SERIAL NO. 10/784,606
	APPLICANT Frank DiMeo, Jr.		
	FILING DATE February 23, 2004	GROUP 2856	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	10/273,036	10/17/2002	Frank DiMeo, Jr., et al.			
	AB	6,265,222	6/24/2001	Frank DiMeo, Jr., et al.			
	AC	5,679,576 A	10/21/1997	Kawai, et al.			
	AD	5,612,489 A	3/18/1997	Ragsdale, et al.			
	AE	6,428,713 B1	8/6/2002	Christenson, et al.			
	AF	4,723,438 A	2/9/1988	Adler-Golden, et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
							X (abstract only)

OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

	AG	Anderson, B, et al., Semiconductor International, October (1993)
	AH	Inorganic Solid Fluorides, Chemistry and Physics, Academic Press, 1985, Ed P. Hagenmuller. (See Information Disclosure Statement Box 1)
	AI	W. Moritz, et al., Sensors and Actuators B 24-25 (1995) 194-196, "Monitoring of HF and F2 using a field-effect sensor"
	AJ	Dr. Shigeru Kurosawa, et al., Fluorine in Coatings II, Paper 33, pgs. 1-8, "Plasma Polymerisation of Fluorine Contained Polycyclic Compounds: Its Application in Chemical Sensors"
	AK	Werner Moritz, et al., The 11th European Conference on Solid State Transducers, Warsaw, Poland, pgs. 111-114, September 21-24, 1997, "Gas Sensors for Fluorine Using Different Semiconductor Substrates"
	AL	W. Moritz, et al., 1998 American Chemical Society, Chapter 10, pgs. 119-129, "Silicon-Based Sensor for Fluorine Gas"
	AM	Semiconductor International, "Residual Gas Analysis", Oct. 1997, pgs. 94-100

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EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	